

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
DECLARATION FOR PATENT APPLICATION

As the below named Inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole Inventor of the subject matter which is claimed and for which a patent is sought on the Invention entitled:

**COMPOSITIONS AND METHODS FOR MODIFYING THE CONTENT OF POLYUNSATURATED FATTY ACIDS IN BIOLOGICAL CELLS**

the specification of which was filed on August 3, 2006 and allotted application serial number 10/588,408.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Edwards Angell Palmer & Dodge LLP, P.O. Box 55874, Boston, MA 02205, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56

**FOREIGN PRIORITY CLAIM**

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or Inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

no such foreign applications have been filed  
 such foreign application have been filed as follows:

Attorney Docket No : 64624(51688)

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing

## CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

no such U.S. provisional applications have been filed.

such U.S. provisional application have been filed as follows:

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/642,093	February 4, 2004	<input checked="" type="checkbox"/> Yes No
60/656,422	March 22, 2004	<input checked="" type="checkbox"/> Yes No

## CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT International filing date of this application:

no such U.S./PCT applications have been filed.

such U.S./PCT application have been filed as follows:

Attorney Docket No.: 64824(61688)

Application Number	Relationship	Parent Application	Date of Filing
PCT/US2005/003917			February 4, 2005

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 101 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 21874

Jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments thereto, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from The General Hospital Corporation as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

Please mail all correspondence to Amy Leahy, whose address is:

Edwards Angell Palmer & Dodge LLP  
P.O. Box 55874  
Boston, MA 02206

Please direct telephone calls to: Amy Leahy at (203) 975-7505.

Please direct facsimiles to: (203) 975-7180

Attorney Docket No.: 04624(51588)

Full name of sole or first inventor Jing X. Kang	Date
Signature Jing X. Kang	06/08/07
Residence North Andover, Massachusetts	
Citizenship US	
Mailing Address 20 Meadowood Road North Andover, Massachusetts 01845	

Full name of second inventor, if any	
Second Inventor's signature	Date
Residence	
Citizenship	
Mailing Address	

Full name of third inventor, if any	
Third Inventor's signature	Date
Residence	
Citizenship	
Mailing Address	

Full name of fourth inventor, if any	
Fourth Inventor's signature	Date
Residence	
Citizenship	
Mailing Address	

JUN-11-2007 MON 06:38 PM E A P & D

FAX NO. 6174394170

P. 10

RECEIVED  
CENTRAL FAX CENTER

Page 1 of 2

JUN 11 2007



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Alma M. Dum, Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT		ATTY DOCKET NO.	
10/588,406	Jing X. Kang		61624(51588)	
INTERNATIONAL APPLICATION NO.				
PCT/US05/03917				
I.A. FILING DATE		PRIORITY DATE		
02/01/2005		02/01/2004		
CONFIRMATION NO. 8352				
371 FORMALITIES LETTER				
*OC000000023299911*				

Date Mailed: 04/10/2007

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 08/03/2006
- Copy of the International Search Report filed on 08/03/2006
- Preliminary Amendments filed on 08/03/2006
- Information Disclosure Statements filed on 08/03/2006
- Small Entity Statement filed on 08/03/2006
- U.S. Basic National Fees filed on 08/03/2006
- Priority Documents filed on 08/03/2006

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Additional claim fees of \$125 as a small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.
- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

**SUMMARY OF FEES DUE:**

Total additional fees required for this application is \$125 for a Small Entity:

NOTED ON SYSTEM  
CFC AWARDED

- Total additional claim fee(s) for this application is \$ 125
  - \$125 for 25 total claims over 20.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5).

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://spotal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

SHELBY J VIGIL

Telephone: (703) 308-9140 EXT 224

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO	ATTY. ICKET NO.
10/588,406	PC'l/US05/03917	64624(51588)

FORM PCT/DO/E0/905 (371 Formalities Notice)